



# State of Louisiana

## Department of Environmental Quality



KATHLEEN BABINEAUX BLANCO  
GOVERNOR

MIKE D. McDANIEL, Ph.D.  
SECRETARY

Certified Mail No.

Agency Interest No. 1376  
Activity No.: PER19960008

Mr. J. A. Stroink  
Refinery Manager  
Chalmette Refining, L.L.C.  
Post Office Box 1007  
Chalmette, Louisiana 70044

RE: Part 70 Initial Operating permit, No. 1 Crude/Coker Units, Chalmette Refinery,  
Chalmette Resining, L.L.C., Chalmette, St. Bernard Parish, Louisiana

Dear Mr. Stroink:

This is to inform you that the permit for the above referenced facility has been approved under LAC 33:III.501. The permit is both a state preconstruction and Part 70 Operating Permit. The submittal was approved on the basis of the emissions reported and the approval in no way guarantees the design scheme presented will be capable of controlling the emissions as to the types and quantities stated. A new application must be submitted if the reported emissions are exceeded after operations begin. The synopsis, data sheets and conditions are attached herewith.

It will be considered a violation of the permit if all proposed control measures and/or equipment are not installed and properly operated and maintained as specified in the application.

Operation of this facility is hereby authorized under the terms and conditions of this permit. This authorization shall expire at midnight on the \_\_\_\_\_ of \_\_\_\_\_, 2011, unless a timely and complete renewal application has been submitted six months prior to expiration. Terms and conditions of this permit shall remain in effect until such time as the permitting authority takes final action on the application for permit renewal. The permit number and Agency Interest No. cited above should be referenced in future correspondence regarding this facility.

Done this \_\_\_\_\_ day of \_\_\_\_\_, 2006.

Permit No.: 3018-V0

Sincerely,

Chuck Carr Brown, Ph.D.

Assistant Secretary

SGQ

cc: EPA Region VI



OFFICE OF ENVIRONMENTAL SERVICES • P.O. BOX 4313 • BATON ROUGE, LOUISIANA 70821-4313

AN EQUAL OPPORTUNITY EMPLOYER



**AIR PERMIT BRIEFING SHEET  
PERMITS DIVISION  
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**No. 1 CRUDE/COKER UNITS  
AGENCY INTEREST NO. 1376  
CHALMETTE REFINING, L.L.C., CHALMETTE REFINERY  
CHALMETTE, ST. BERNARD PARISH, LOUISIANA**

**I. Background**

Chalmette Refining, L.L.C. (CRLLC) is a joint venture between ExxonMobil Corporation (EMOC) and Petroleos de Venezuela (PDV), the Venezuelan National Oil Company. Chalmette Refinery is located on the left descending bank of Mississippi River at Mile 89 above Head-of-Passes at Chalmette and is operated by EMOC. The facility operates under a consolidated State Permit No. 2500-00005-02 dated November 18, 1988. Other Permit Nos. 2226(M-3), 11/27/1996; 2621, 8/10/1999; and PSD-LA-199(M-4), 10/11/1993 were also issued in the past. Other permits were also issued since 1988. This permit deals with the No. 1 Crude/Coker Units.

**II. Origin**

This review was initiated by an application and Emission Inventory Questionnaire (EIQ) submitted in October 14, 1996, updated in December 2004, and a revised application and EIQ dated September 21, 2005 for the No. 1 Crude/Coker Units equipment only. Additional information as of January 12, 2005 was also received.

**III. Description**

Chalmette Refinery is an integrated crude operation (high conversion) which includes crude distillation, catalytic reforming, fluid catalytic cracking (FCC), hydrocracking, HF alkylation, delayed coking, and aromatics processing units. The refinery is capable of producing gasoline, diesel, benzene/toluene/xylene (BTX), distillates, and elemental sulfur as well as by-products such as petroleum coke and LPG.

The No. 1 Crude Unit (CR1) processes feed stocks received from the crude terminal. CR1 typically processes a South Louisiana sweet crude blend. However, the type of feed stocks may vary depending on the refinery's operating strategy. The CR1 produces two finished products, straight run gasoline and kerosene, and several other by-products that require further processing or treatment. Straight run gasoline and kerosene are sent from CR1 to storage for sale. The primary equipment in CR1 includes preheaters and desalters, preflash tower and stabilizer, and atmospheric distillation tower, and a vacuum distillation tower. The CR1 fractionates the crude oil into offgas, overhead liquids, straight run gasoline, kerosene, gas oils, and tower bottoms. Gases from the crude units are sent to the Light Ends Plant where they are processed further. Lighter liquid side streams from CR1 are sent to storage or to various units for further processing. The Hydrodesulfurization (HDS) Unit takes a blend of diesel grade sidestreams from CR1 and removes impurities; the finished product is sent to diesel storage. Heavy material is

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cracked into smaller hydrocarbons by the Cokers, Fluid Catalytic Cracker, and Hydrocracker Units. Some of the heavier materials can be blended in the No. 1 Coker (CK1) Unit to produce saleable grade asphalt.

The No. 1 Coker Unit processes feed stocks received from CR1 and CR2 and Vacuum Tower bottom storage. CK1 produces one finished product, coke, and several other by-products that require further processing or treatment. CK1 also provides blending facilities for asphalt production. The Coker section is comprised of four sub-sections: Feed Preheat, Fractionator, Heater and Coke Drums.

Permitted emissions from the No. 1 Crude/Coker Units in tons per year are as follows:

<u>Pollutant</u>	<u>Emissions</u>
PM <sub>10</sub>	18.94
SO <sub>2</sub>	39.61
NO <sub>x</sub>	334.99
CO	164.46
VOC	293.39

**IV. Type of Review**

This application was reviewed for compliance with the Louisiana Part 70 operating permit program, Louisiana Air Quality Regulations, NSPS, and NESHAP. Prevention of Significant Deterioration does not apply. The facility is a major source of toxic air pollutants (TAPs) pursuant to LAC 33:III Chapter 51. The Air Toxic Compliance plan was approved on March 13, 1996, the LDAR provisions were approved on October 11, and the SOCMi HON wastewater provisions were approved on May 21, 1996. The facility has submitted a Part 1 application as required by the Clean Air Act Amendments 112(j).

**V. Credible Evidence**

Notwithstanding any other provisions of any applicable rule or regulation or requirement of this permit that state specific methods that may be used to assess compliance with applicable requirements, pursuant to 40 CFR Part 70 and EPA's Credible Evidence Rule, 62 Fed. Reg. 8314 (Feb. 24, 1997), any credible evidence or information relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed shall be considered for purposes of Title V compliance certifications. Furthermore, for purposes of establishing whether or not a person has violated or is in violation of any emissions

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limitation or standard or permit condition, nothing in this permit shall preclude the use, including the exclusive use, by any person of any such credible evidence or information.

**VI. Public Notice**

A notice requesting public comment on the permit was published in The Advocate, Baton Rouge, Louisiana and The St. Bernard Voice, Arabi, Louisiana, on \*\*\*\*\* \*\*, 2006. Written and oral comments received during the comment period from the general public and organizations will be considered before issuing the permit. Copies of the public notice were mailed out to individuals on the mailing list maintained by Office of Environmental Services on \*\*\*\*\* \*\*, 2006. The proposed permit was sent to EPA via e-mail on \*\*\*\*\* \*\*, 2006.

**VII. Effects on Ambient Air**

Dispersion Model Used: ISCST3

Pollutant	Time Period	Calculated Maximum Ground Level Concentration ( $\mu\text{g}/\text{m}^3$ )	Louisiana Air Quality Standard (NAAQS) ( $\mu\text{g}/\text{m}^3$ )
None			

**VIII. General Condition XVII Activities**

Equipment Maintenance/Preparation and Other Routine Activities	10000 events/yr PM10            1.03 tons/yr VOC            3.08 tons/yr
Planned Startup/Shutdown and Turnaround Activities	500 events/yr VOC            1.29 tons/yr

**IX. Insignificant Activities**

ID No.: Description	Citation
- Unit Tanks (Less than 10,000 gals, 5 tanks, <0.5 psia)	LAC 33:III.501.B.5.A.3
- Process Stream Analyzer Emission	LAC 33:III.501.B.5.A.9

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**X. Applicable Louisiana and Federal Air Quality Requirements**

ID No.:	Description	LAC 33:III:Chapter																
		5	9	11	13	15	2103	2111	2113	2121	2115	2139	2141	17	29	51	52	56
GRP027	No. 1 Crude/Coker Units	1	1	1	1	1			1		1		1	1	1	1	1	1
EQT065	1, No. 1 Crude Atmos. Heater (F-5)		1	1	1													2
EQT067	2, No. 1 Crude Atmos. Heater (F-6)		1	1	1													2
EQT069	26, No. 1 Coker Heater (F-2800)		1	1	1													2
EQT068	4, No. 1 Crude Vacuum Heater (F-1)		1	1	1													2
EQT070	83a, Coke Handling/Loading		1										2					
EQT071	K2804, No. 1 Coker Diesel Compressor Engine		1	1	1	2										1		2
EQT072	TK-002-15, Chemical Tank					2												1
EQT073	TK-002-16, Chemical Tank					2												1
EQT074	TK-153-04, Chemical Tank					2												1
EQT075	TK-2800, No. 1 Coker Cutting Water Tank					2												1
EQT076	TK-2801, No. Coker Stormwater Tank					2												1
EQT077	TK-2807, Chemical Tank						2											1
EQT078	TK-CHEMCR1, Chemical Tank							1										1
FUG006	FE-CRCK1, No. Crude/Coker Fugitives								1									1

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**X. Applicable Louisiana and Federal Air Quality Requirements**

ID No.:	Description	LAC 33:III Chapter																	
		5	9	11	13	15	2103	2111	2113	2121	2115	2139	2141	17	29	51	52	56	59
<b>KEY TO MATRIX</b>																			
1	-The regulations have applicable requirements which apply to this particular emission source.																		
	-The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.																		
2	-The regulations have applicable requirements which apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criteria, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.																		
3	-The regulations apply to this general type of emission source (i.e. vents, furnaces, and fugitives) but do not apply to this particular emission source.																		
	Blank - The regulations clearly do not apply to this type of emission source.																		

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**Louisiana and Federal Air Quality Requirements**

ID No.:	Description	40 CFR 60 NSPS												40 CFR 61												40 CFR			
		A	Db	Dc	J	Kb	VV	GGG	NNN	QQQ	A	J	M	V	FF	A	F	G	CC	UUU	SDs	68	82						
GRP027	No. 1 Crude/Coker Units	1									1	1	1	1	1	1	2	2	1			1	1						
EQT065	1, No. 1 Crude Atmos. Heater (F-5)										1																		
EQT067	2, No. 1 Crude Atmos. Heater (F-6)										1																		
EQT069	26, No. 1 Coker Heater (F-2800)										1																		
EQT068	4, No. 1 Crude Vacuum Heater (F-1)										1																		
EQT070	83a, Coke Handling/Loading																												
EQT071	K2804, No. 1 Coker Diesel Compressor																												
EQT072	TK-002-15, Chemical Tank																												
EQT073	TK-002-16, Chemical Tank																												
EQT074	TK-153-04, Chemical Tank																												
EQT075	TK-2800, No. 1 Coker Cutting Water Tank																												
EQT076	TK-2801, No. Coker Stormwater Tank																												

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**Louisiana and Federal Air Quality Requirements**

ID No.:	Description	40 CFR 60 NSPS												40 CFR 61												40 CFR		
		A	Db	Dc	J	Kb	VV	GGG	NNN	QQQ	A	J	M	V	FF	A	F	G	CC	UUU	SDs	68	82					
EQT077	TK-2807, Chemical Tank				2																							
EQT078	TK-CHEMCR1, Chemical Tank				2																							
FUG006	FE-CRCK1, No. Crude/Coker Fugitives				2	1		1/2							2			1										

**KEY TO MATRIX**

- 1 - The regulations have applicable requirements which apply to this particular emission source.
  - The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- 2 - The regulations have applicable requirements which apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criteria, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
- 3 - The regulations apply to this general type of emission source (i.e. vents, furnaces, and fugitives) but do not apply to this particular emission source.  
Blank - The regulations clearly do not apply to this type of emission source.

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**XI. Explanation for Exemption Status or Non-Applicability of a Source**

ID No:	Requirement	Status	Citation	Explanation
GRP027 No. 1 Crude/Coker Units	NESHAP, Subparts F, G, and H	Does not apply	40 CFR 63.100(j)(2)	Units in Petroleum Refining facility and not SOCMU Units
EQT065 and EQT067 1 and 2 No. 1 and 2 Crude Atmos. Heater (F-5 and F-6)	Comprehensive Toxic Air Pollutant Emission Control Program	Exempt	LAC 33:III.5105.B.3.a	Burns natural gas and refinery fuel gas
EQT068 4 No. 1 Crude Vacuum Heater (F-1)	NESHAP, Subpart DDDDD – Boilers and Process Heaters	Does not apply	40 CFR 63.7506(b)	The facility has submitted the initial notification on March 10, 2005 as requirement of 40 CFR 63.9(b)
EQT069 26 No. 1 Coker Heater	Comprehensive Toxic Air Pollutant Emission Control Program	Exempt	LAC 33:III.5105.B.3.a	Burns natural gas and refinery fuel gas
EQT070 83a Coke Handling/Loading	NESHAP, Subpart DDDDD – Boilers and Process Heaters	Does not apply	40 CFR 63.7506(b)	The facility has submitted the initial notification on March 10, 2005 as requirement of 40 CFR 63.9(b)
	Control of Organic Compounds – Waste Gas Disposal	Exempt	LAC 33:III.2115.H.1.c	VOC less than 100 lbs per 24-hour period
	NESHAP, Subpart CC – Petroleum Refineries, Miscellaneous Process Vents	Does not apply	40 CFR 63.641	Does not meet the definition of a process vent

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**XI. Explanation for Exemption Status or Non-Applicability of a Source**

ID No.	Requirement	Status	Citation	Explanation
EQT070 83a Coke Handling/Loading (Continued)	NESHAP, Subpart UUU – Petroleum Refineries: MACT II	Does not apply	40 CFR 63.1562	Not related to any cracking, reforming, or sulfur recovery units
FUG006 FE-CRCK1 No. 1 Crude/Coker Fugitives	NSPS, Subpart VV – New Source Performance Standard for Equipment Leaks of VOC in SOCMII  NESHAP, Subpart V – Equipment Leaks of VHAP	Does not apply	40 CFR 60.480	Not a SOCMII facility  Process units do not have streams that contains greater than 10% by wt of VHAP
EQT071 K2804 No. 1 Coker Diesel/Compressor Engine	Comprehensive Toxic Air Pollutant Emission Control Program  NSPS, Subpart J – Standards of Performance for Petroleum Refineries  NESHAP, Subpart ZZZZ – Stationary Reciprocating Internal Combustion Engines	Exempt	LAC 33:III.5105.B.3.a	Burns diesel fuel (Group I fossil fuel)  Does not combust refinery fuel gas  Engine has a capacity less than the threshold
EQT072, EQT073, EQT074 TK-002-15, TK-002-16, TK-153-04 Chemical Tanks	NSPS, Subpart K, Ka, Kb – Standards for Petroleum Liquids and VOC Storage Tanks  NSPS, Subpart QQQ – Standards of Performance for VOC Emissions From Petroleum Refinery Wastewater Systems	Does not apply	40 CFR 60.110 40 CFR 60.110a 40 CFR 60.110b  Does not apply	Tank has a capacity less than the threshold  Based on date of construction

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**XI. Explanation for Exemption Status or Non-Applicability of a Source**

ID No:	Requirement	Status	Citation	Explanation
EQT075 and EQT076 TK-2800 and TK-2801 No. 1 Coker Cutting Water Storm Water Tanks	Chapter 21, Control of Emissions of Organic Compounds – Storage of VOC	Does not apply	LAC 33:III.2103.A	Vapor pressure of the material stored in the tank is less than 1.5 psia
	NSPS, Subpart K, Ka, Kb – Standards for Petroleum Liquids and VOC Storage Tanks	Does not apply	40 CFR 60.110 40 CFR 60.110a 40 CFR 60.110b	Based vapor pressure, capacity and date of construction
	NSPS, Subpart QQQ – Standards of Performance for VOC Emissions From Petroleum Refinery Wastewater Systems	Applicability Determination	40 CFR 60.690	Currently under review. Permittee shall update or modify the permit based on the determination made under the settlement
EQT077 TK-2807 Chemical Tank	NSPS, Subpart K, Ka, Kb – Standards for Petroleum Liquids and VOC Storage Tanks	Does not apply	40 CFR 60.110 40 CFR 60.110a 40 CFR 60.110b	Tank has a capacity less than the threshold
	NSPS, Subpart QQQ – Standards of Performance for VOC Emissions From Petroleum Refinery Wastewater Systems	Does not apply	40 CFR 60.690	Based on date-of construction
	NESHAP, Subpart CC – Petroleum Refineries, Storage Vessels	Does not apply	40 CFR 63.641	Tank has a capacity less than the threshold
EQT078 TK-CHEMCR1 Chemical Tank	NSPS, Subpart K, Ka, Kb – Standards for Petroleum Liquids and VOC Storage Tanks	Does not apply	40 CFR 60.110 40 CFR 60.110a 40 CFR 60.110b	Tank has a capacity less than the threshold and/or date of construction
	NSPS, Subpart QQQ – Standards of Performance for VOC Emissions From Petroleum Refinery Wastewater Systems	Does not apply	40 CFR 60.690	Not an affected tank
	NESHAP, Subpart CC – Petroleum Refineries, Storage Vessels	Does not apply	40 CFR 63.641	Tank has a capacity less than the threshold

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**XI. Explanation for Exemption Status or Non-Applicability of a Source**

ID No:	Requirement	Status	Citation	Explanation

The above table provides explanation for both the exemption status or non-applicability of a source cited by 2 or 3 in the matrix presented in Section X of this permit

## 40 CFR PART 70 GENERAL CONDITIONS

- A. The term of this permit shall be five (5) years from date of issuance. An application for a renewal of this 40 CFR Part 70 permit shall be submitted to the administrative authority no later than six months prior to the permit expiration date. Should a complete permit application not be submitted six months prior to the permit expiration date, a facility's right to operate is terminated pursuant to 40 CFR Section 70.7(c)(ii). Operation may continue under the conditions of this permit during the period of the review of the application for renewal. [LAC 33:III.507.E.1, E.3, E.4, reference 40 CFR 70.6(a)(2)]
- B. The conditions of this permit are severable; and if any provision of this permit or the application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby. [Reference 40 CFR 70.6(a)(5)]
- C. Permittee shall comply with all conditions of the 40 CFR Part 70 permit. Any permit noncompliance constitutes a violation of the Clean Air Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. [LAC 33:III.507.B.2, reference 40 CFR 70.6(a)(6)(i) & (iii)]
- D. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. [Reference 40 CFR 70.6(a)(6)(ii)]
- E. This permit does not convey any property rights of any sort, or an exclusive privilege. [Reference 40 CFR 70.6(a)(6)(iv)]
- F. The permittee shall furnish to the permitting authority, within a reasonable time, any information that the permitting authority may request in writing to determine whether cause exists for modifying, revoking, and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the permitting authority copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality. A claim of confidentiality does not relieve the permittee of the requirement to provide the information. [LAC 33:III.507.B.2, 517.F, reference 40 CFR 70.6(a)(6)(v)]
- G. Permittee shall pay fees in accordance with LAC 33:III.Chapter 2 and 40 CFR Section 70.6(a)(7). [LAC 33:III.501.C.2, reference 40 CFR 70.6(a)(7)]
- H. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the permitting authority or authorized representative to perform the following:
  1. enter upon the permittee's premises where a 40 CFR Part 70 source is located or emission-related activity is conducted, or where records must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(i)];

## 40 CFR PART 70 GENERAL CONDITIONS

2. have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(ii)];
  3. inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iii)]; and
  4. as authorized by the Clean Air Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iv)]
- I. All required monitoring data and supporting information shall be kept available for inspection at the facility or alternate location approved by the agency for a period of at least five (5) years from the date of the monitoring sample, measurement, report, or application. Supporting information includes calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and all reports required by the permit. [Reference 40 CFR 70.6(a)(3)(ii)(B)]
- J. Records of required monitoring shall include the following:
1. the date, place as defined in the permit, and time of sampling or measurements;
  2. the date(s) analyses were performed;
  3. the company or entity that performed the analyses;
  4. the analytical techniques or methods used;
  5. the results of such analyses; and
  6. the operating conditions as existing at the time of sampling or measurement.
- [Reference 40 CFR 70.6(a)(3)(ii)(A)]
- K. Permittee shall submit at least semiannually, reports of any required monitoring, clearly identifying all instances of deviations from permitted monitoring requirements, certified by a responsible company official. For previously reported deviations, in lieu of attaching the individual deviation reports, the semiannual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The semiannual reports shall be submitted to the Office of Environmental Compliance, Surveillance Division by March 31 for the preceding period encompassing July through December and September 30 for the preceding period encompassing January through June. Any quarterly deviation report required to be submitted by March 31 or September 30 in accordance with Part 70 General Condition R may be consolidated with the semi-annual reports required by this general condition as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [LAC 33:III.507.H, reference 40 CFR 70.6(a)(3)(iii)(A)]
- L. The permittee shall submit at least semiannual reports on the status of compliance pursuant to 40 CFR Section 70.5 (c) (8) and a progress report on any applicable schedule of compliance pursuant to 40 CFR Section 70.6 (c) (4). [LAC 33:III.507.H.1, reference 40 CFR 70.6(c)(4)]
- M. Compliance certifications per LAC 33:III.507.H.5 shall be submitted to the Administrator as well as the permitting authority. For previously reported compliance deviations, in lieu of attaching the individual deviation reports, the annual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior

## 40 CFR PART 70 GENERAL CONDITIONS

report was submitted. The compliance certifications shall be submitted to the Office of Environmental Compliance, Surveillance Division by March 31 for the preceding calendar year. [LAC 33:III.507.H.5, reference 40 CFR 70.6(c)(5)(iv)]

- N. If the permittee seeks to reserve a claim of an affirmative defense as provided in LAC 33:III.507.J.2, the permittee shall, in addition to any emergency or upset provisions in any applicable regulation, notify the permitting authority within 2 working days of the time when emission limitations were exceeded due to the occurrence of an upset. In the event of an upset, as defined under LAC 33:III.507.J, which results in excess emissions, the permittee shall demonstrate through properly signed, contemporaneous operating logs, or other relevant evidence that: 1) an emergency occurred and the cause was identified; 2) the permitted facility was being operated properly at the time; and 3) during the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standard or requirement of the permit. [LAC 33:III.507.J.2, reference 40 CFR 70.6(g)(3)(iv) & (i-iii)]
- O. Permittee shall maintain emissions at a level less than or equal to that provided for under the allowances that the 40 CFR Part 70 source lawfully holds under Title IV of the Clean Air Act or the regulations promulgated thereunder. No permit revision shall be required for increases in emissions that are authorized by allowances acquired pursuant to the acid rain program, provided that such increases do not require a permit revision under any other applicable requirement. No limit shall be placed on the number of allowances held by the source. The source may not, however, use allowances as a defense to noncompliance with any other applicable requirement. Any such allowance shall be accounted for according to the procedures established in regulations promulgated under Title IV of the Clean Air Act. [Reference 40 CFR 70.6(a)(4)]
- P. Any permit issued pursuant to 40 CFR Part 70 may be subject to reopening prior to the expiration of the permit for any of the conditions specified in 40 CFR Section 70.7(f) or LAC 33:III.529. [LAC 33:III.529.A-B, reference 40 CFR 70.7(f)]
- Q. Permittee may request an administrative amendment to the permit to incorporate test results from compliance testing if the following criteria are met:
  1. the changes are a result of tests performed upon start-up of newly constructed, installed, or modified equipment or operations;
  2. increases in permitted emissions will not exceed five tons per year for any regulated pollutant;
  3. increases in permitted emissions of Louisiana toxic air pollutants or of federal hazardous air pollutants would not constitute a modification under LAC 33:III. Chapter 51 or under Section 112 (g) of the Clean Air Act;
  4. changes in emissions would not require new source review for prevention of significant deterioration or nonattainment and would not trigger the applicability of any federally applicable requirement;
  5. changes in emissions would not qualify as a significant modification; and

## 40 CFR PART 70 GENERAL CONDITIONS

6. the request is submitted no later than 12 months after commencing operation. [LAC 33.III.523.A, reference 40 CFR 70.7(d)]
- R. Permittee shall submit prompt reports of all permit deviations as specified below to the Office of Environmental Compliance, Surveillance Division. All such reports shall be certified by a responsible official in accordance with 40 CFR 70.5(d).
1. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
  2. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.
  3. A written report shall be submitted quarterly to address all permit deviations not included in paragraphs 1 or 2 above. Unless required by an applicable reporting requirement, a written report is not required during periods in which there is no deviation. The quarterly deviation reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by Part 70 General Condition K as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. For previously reported permit deviations, in lieu of attaching the individual deviation reports, the quarterly report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any permit deviations occurring during the corresponding specified calendar quarter:
    - a. Report by June 30 to cover January through March
    - b. Report by September 30 to cover April through June
    - c. Report by December 31 to cover July through September
    - d. Report by March 31 to cover October through December
  4. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided such reports are certified in accordance with 40 CFR 70.5(d) and contain all information relevant to the permit deviation. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107. [Reference 40 CFR 70.6(a)(3)(iii)(B)]
- S. Permittee shall continue to comply with applicable requirements on a timely basis, and will meet on a timely basis applicable requirements that become effective during the permit term. [Reference 40 CFR 70.5(c)(8)(iii)]
- T. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:
1. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156;

## 40 CFR PART 70 GENERAL CONDITIONS

2. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158;
  3. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161;
  4. Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with recordkeeping requirements pursuant to 40 CFR 82.166. ("MVAC-like appliance" as defined at 40 CFR 82.152);
  5. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to 40 CFR 82.156; and
  6. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166. [Reference 40 CFR 82, Subpart F]
- U. If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners.
- The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant. [Reference 40 CFR 82, Subpart B]
- V. Data availability for continuous monitoring or monitoring to collect data at specific intervals: Except for monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks and required zero and span adjustments), the permittee shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the emissions unit is operating. For purposes of reporting monitoring deviations under Part 70 General Conditions K and R, and unless otherwise provided for in the Specific Requirements (or Table 3) of this permit, the minimum degree of data availability shall be at least 90% (based on a monthly average) of the operating time of the emissions unit or activity being monitored. This condition does not apply to Leak Detection and Repair (LDAR) programs for fugitive emissions (e.g., 40 CFR 60 Subpart VV, 40 CFR 63 Subpart H).

## LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS

- I. This permit is issued on the basis of the emissions reported in the application for approval of emissions and in no way guarantees that the design scheme presented will be capable of controlling the emissions to the type and quantities stated. Failure to install, properly operate and/or maintain all proposed control measures and/or equipment as specified in the application and supplemental information shall be considered a violation of the permit and LAC 33:III.501. If the emissions are determined to be greater than those allowed by the permit (e.g. during the shakedown period for new or modified equipment) or if proposed control measures and/or equipment are not installed or do not perform according to design efficiency, an application to modify the permit must be submitted. All terms and conditions of this permit shall remain in effect unless and until revised by the permitting authority.
- II. The permittee is subject to all applicable provisions of the Louisiana Air Quality Regulations. Violation of the terms and conditions of the permit constitutes a violation of these regulations.
- III. The Emission Rates for Criteria Pollutants, Emission Rates for TAP/HAP & Other Pollutants, and Specific Requirements sections or, where included, Emission Inventory Questionnaire sheets establish the emission limitations and are a part of the permit. Any operating limitations are noted in the Specific Requirements or, where included, Tables 2 and 3 of the permit. The synopsis is based on the application and Emission Inventory Questionnaire (EIQ) dated October 14, 1996, updated in December 2004, and revised application and EIQ dated September 21, 2005, along with supplemental information dated December 9, 2005.
- IV. This permit shall become invalid, for the sources not constructed, if:
  - A. Construction is not commenced, or binding agreements or contractual obligations to undertake a program of construction of the project are not entered into, within two (2) years (18 months for PSD permits) after issuance of this permit, or;
  - B. If construction is discontinued for a period of two (2) years (18 months for PSD permits) or more.The administrative authority may extend this time period upon a satisfactory showing that an extension is justified.  
  
This provision does not apply to the time period between construction of the approved phases of a phased construction project. However, each phase must commence construction within two (2) years (18 months for PSD permits) of its projected and approved commencement date.
- V. The permittee shall submit semiannual reports of progress outlining the status of construction, noting any design changes, modifications or alterations in the construction schedule which have or may have an effect on the emission rates or ambient air quality levels. These reports shall continue to be submitted until such time as construction is certified as being complete. Furthermore, for any significant change in the design, prior approval shall be obtained from the Office of Environmental Services, Air Permits Division.
- VI. The permittee shall notify the Department of Environmental Quality, Office of Environmental Services, Air Permits Division within ten (10) calendar days from the date that construction is certified as complete and the estimated date of start-up of operation. The appropriate Regional Office shall also be so notified within the same time frame.

**LOUISIANA AIR EMISSION PERMIT  
GENERAL CONDITIONS**

- VII. Any emissions testing performed for purposes of demonstrating compliance with the limitations set forth in paragraph III shall be conducted in accordance with the methods described in the Specific Conditions and, where included, Tables 1, 2, 3, 4, and 5 of this permit. Any deviation from or modification of the methods used for testing shall have prior approval from the Office of Environmental Assessment, Air Quality Assessment Division.
- VIII. The emission testing described in paragraph VII above, or established in the specific conditions of this permit, shall be conducted within sixty (60) days after achieving normal production rate or after the end of the shakedown period, but in no event later than 180 days after initial start-up (or restart-up after modification). The Office of Environmental Assessment, Air Quality Assessment Division shall be notified at least (30) days prior to testing and shall be given the opportunity to conduct a pretest meeting and observe the emission testing. The test results shall be submitted to the Air Quality Assessment Division within sixty (60) days after the complete testing. As required by LAC 33:III.913, the permittee shall provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
- IX. The permittee shall, within 180 days after start-up and shakedown of each project or unit, report to the Office of Environmental Compliance, Surveillance Division any significant difference in operating emission rates as compared to those limitations specified in paragraph III. This report shall also include, but not be limited to, malfunctions and upsets. A permit modification shall be submitted, if necessary, as required in Condition I.
- X. The permittee shall retain records of all information resulting from monitoring activities and information indicating operating parameters as specified in the specific conditions of this permit for a minimum of at least five (5) years.
- XI. If for any reason the permittee does not comply with, or will not be able to comply with, the emission limitations specified in this permit, the permittee shall provide the Office of Environmental Compliance, Surveillance Division with a written report as specified below.
- A. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
- B. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.
- C. A written report shall be submitted quarterly to address all emission limitation exceedances not included in paragraphs A or B above. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any emission limitation exceedances occurring during the corresponding specified calendar quarter:
1. Report by June 30 to cover January through March
2. Report by September 30 to cover April through June
3. Report by December 31 to cover July through September
4. Report by March 31 to cover October through December

**LOUISIANA AIR EMISSION PERMIT  
GENERAL CONDITIONS**

- D. Each report submitted in accordance with this condition shall contain the following information:
1. Description of noncomplying emission(s);
  2. Cause of noncompliance;
  3. Anticipated time the noncompliance is expected to continue, or if corrected, the duration of the period of noncompliance;
  4. Steps taken by the permittee to reduce and eliminate the noncomplying emissions; and
  5. Steps taken by the permittee to prevent recurrences of the noncomplying emissions.
- E. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided all information specified above is included. For Part 70 sources, reports submitted in accordance with Part 70 General Condition R shall serve to meet the requirements of this condition provided all specified information is included. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107.
- XII. Permittee shall allow the authorized officers and employees of the Department of Environmental Quality, at all reasonable times and upon presentation of identification, to:
- A. Enter upon the permittee's premises where regulated facilities are located, regulated activities are conducted or where records required under this permit are kept;
  - B. Have access to and copy any records that are required to be kept under the terms and conditions of this permit, the Louisiana Air Quality Regulations, or the Act;
  - C. Inspect any facilities, equipment (including monitoring methods and an operation and maintenance inspection), or operations regulated under this permit; and
  - D. Sample or monitor, for the purpose of assuring compliance with this permit or as otherwise authorized by the Act or regulations adopted thereunder, any substances or parameters at any location.
- XIII. If samples are taken under Section XII.D. above, the officer or employee obtaining such samples shall give the owner, operator or agent in charge a receipt describing the sample obtained. If requested prior to leaving the premises, a portion of each sample equal in volume or weight to the portion retained shall be given to the owner, operator or agent in charge. If an analysis is made of such samples, a copy of the analysis shall be furnished promptly to the owner, operator or agency in charge.
- XIV. The permittee shall allow authorized officers and employees of the Department of Environmental Quality, upon presentation of identification, to enter upon the permittee's premises to investigate potential or alleged violations of the Act or the rules and regulations adopted thereunder. In such investigations, the permittee shall be notified at the time entrance is requested of the nature of the suspected violation. Inspections under this

## **LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS**

subsection shall be limited to the aspects of alleged violations. However, this shall not in any way preclude prosecution of all violations found.

- XV. The permittee shall comply with the reporting requirements specified under LAC 33:III.919 as well as notification requirements specified under LAC 33:III.927.
- XVI. In the event of any change in ownership of the source described in this permit, the permittee and the succeeding owner shall notify the Office of Environmental Services, Air Permits Division, within ninety (90) days after the event, to amend this permit.
- XVII. Very small emissions to the air resulting from routine operations, that are predictable, expected, periodic, and quantifiable and that are submitted by the permitted facility and approved by the Air Permits Division are considered authorized discharges. Approved activities are noted in the General Condition XVII Activities List of this permit. To be approved as an authorized discharge, these very small releases must:
1. Generally be less than 5 TPY
  2. Be less than the minimum emission rate (MER)
  3. Be scheduled daily, weekly, monthly, etc., or
  4. Be necessary prior to plant startup or after shutdown [line or compressor pressuring/depressuring for example]

These releases are not included in the permit totals because they are small and will have an insignificant impact on air quality. This general condition does not authorize the maintenance of a nuisance, or a danger to public health and safety. The permitted facility must comply with all applicable requirements, including release reporting under LAC 33:1.3901.

- XVIII. Provisions of this permit may be appealed in writing pursuant to La. R.S. 30:2024(A) within 30 days from receipt of the permit. Only those provisions specifically appealed will be suspended by a request for hearing, unless the secretary or the assistant secretary elects to suspend other provisions as well. Construction cannot proceed except as specifically approved by the secretary or assistant secretary. A request for hearing must be sent to the following:

Attention: Office of the Secretary, Legal Services Division  
La. Dept. of Environmental Quality  
Post Office Box 4302  
Baton Rouge, Louisiana 70821-4302

- XIX. Certain Part 70 general conditions may duplicate or conflict with state general conditions. To the extent that any Part 70 conditions conflict with state general conditions, then the Part 70 general conditions control. To the extent that any Part 70 general conditions duplicate any state general conditions, then such state and Part 70 provisions will be enforced as if there is only one condition rather than two conditions.

**General Information**

AI ID: 1376 Chalmette Refining LLC - Chalmette Refinery

Activity Number: PER19960008

Permit Number: 3018-V0

Air - Title V Regular Permit Initial

<u><b>General Information</b></u>			
Also Known As:	ID	Name	Start Date
	2500-00005	Chalmette Refining LLC - Chalmette Refinery	05-27-1993
	2500-0005	Chalmette Refining LLC - Chalmette Refinery	03-03-2004
13-5401570	LAD008179707	Mobil Oil Corp	08-07-2002
PMT/CA		Chalmette Refining LLC	10-22-2002
00597	LA0004260	GPRAS Baselines	10-01-1997
WP0569	WP3391	Chalmette Refining	11-23-1999
LA-2247-L01	GD-087-1774	WPC File Number	05-22-2003
6264	GD-087-1774	WPC State Permit Number	06-25-2003
	19637	WPC State Permit Number	06-25-2003
	36173	Radioactive Material License	01-19-1999
	38796	X-Ray Registration Number	11-21-1999
	44916	Mobil Oil Corp	01-08-2002
	45047	Site ID #	11-21-1999
	47202	Exxon Co USA - Chalmette Terminal	04-24-2001
	2500-0005	Mobil Oil Corp	04-26-2001
	701437NNCL500WE	ExxonMobil Oil Corp - Chalmette Refining LLC	12-16-2003
01-269	01-269	Mobil Oil Corp - Chalmette Refinery	05-22-2001
44-015380	44-015380	Chalmette Refining LLC - A Delaware Ltd Liability Co	03-28-2001
		Mobil Oil Corp - Chalmette Refinery	10-02-2001
		Toxic Emissions Data Inventory #	01-01-1991
		TRI#	07-09-2004
		Motor Fuel Delivery Certificate #	08-07-2002
		UST Facility ID (from UST legacy data)	10-12-2002
Physical Location:	500 W St Bernard Hwy Chalmette, LA 70044	Main FAX:	5042811365
Mailing Address:	PO Box 1007 Chalmette, LA 700441007	Main Phone:	5042811212
Related People:	Name	Mailing Address	Phone (Type)
	Robert Cooper	PO Box 1007 Chalmette, LA 700441007	5042320276 (WP)
	Chris Daigle	PO Box 1007 Chalmette, LA 700441007	5042811305 (WP)
	Loretta Faustich	PO Box 1007 Chalmette, LA 700441007	5042811305 (WP)
	Loretta Faustich		Katrina Response Contact for Radiation Safety Officer for Solid Waste Billing Party for Haz. Waste Billing Party for

## General Information

AI ID: 1376 Chalmette Refining LLC - Chalmette Refinery

Activity Number: PER1996008

Permit Number: 3018-V0

Air - Title V Regular Permit Initial

Related People:	Name	Mailing Address	Phone (Type)	Relationship
Claudine Gorman	Claudine Gorman	PO Box 1007 Chalmette, LA 700441007 PO Box 1007 Chalmette, LA 700441007	5042811989 (WP) 5042811989 (WP)	Air Permit Contact For Accident Prevention Contact for
Craig Joseph		PO Box 1007 Chalmette, LA 700441007		Water Billing Party for
Dana Kelly		PO Box 1007 Chalmette, LA 700441007		Radiation Contact For
Cathy Marlier		PO Box 1007 Chalmette, LA 700441007	5042811544 (WP)	Accident Prevention Billing Party for

  

Related Organizations:	Name	Address	Phone (Type)	Relationship
Chalmette Refining LLC		PO Box 1007 Chalmette, LA 700441007		Air Billing Party for
Chalmette Refining LLC		PO Box 1007 Chalmette, LA 700441007		Radiation License Billing Party for
Chalmette Refining LLC		PO Box 1007 Chalmette, LA 700441007		Owns
Chalmette Refining LLC		PO Box 1007 Chalmette, LA 700441007		Radiation Registration Billing Party for
ExxonMobil Oil Corp		500 W St Bernard Hwy Chalmette, LA 70043		Accident Prevention Billing Party for
ExxonMobil Oil Corp		PO Box 1007 Chalmette, LA 700441007		UST Billing Party for
ExxonMobil Oil Corp		PO Box 1007 Chalmette, LA 700441007		Operates

Note: This report entitled "General Information" contains a summary of facility-level information contained in LDEQ's TEMPO database for this facility and is not considered a part of the permit. Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Mr. David Ferrand, Environmental Assistance Division, at (225) 219-3247 or email your changes to facupdate@la.gov.

**INVENTORIES**

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery  
 Activity Number: PER19960008  
 Permit Number: 3018-V0  
 Air - Title V Regular Permit Initial

**Subject Item Inventory:**

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
EQT065	1. No. 1 Crude Atmospheric Heater (F-5)	175 MM BTU/hr	157 MM BTU/hr	8760 hr/yr (All Year)		
EQT067	2. No. 1 Crude Atmospheric Heater (F-6)	175 MM BTU/hr	157 MM BTU/hr	8760 hr/yr (All Year)		
EQT068	4. No. 1 Crude Vacuum Heater (F-1)	90 MM BTU/hr	57 MM BTU/hr	8760 hr/yr (All Year)		
EQT069	26. No. 1 Coker Heater (F-2800)	77 MM BTU/hr	52 MM BTU/hr	8760 hr/yr (All Year)		
EQT070	83a. No. 1 Coker Coke Handling/Laoding			8760 hr/yr (All Year)		
EQT071	K-2804, No. 1 Coker Diesel Compressor Engine	250 horsepower	250 horsepower	8760 hr/yr (All Year)		
EQT072	TK-002-15, Chemcial Tank	2000 gallons		8760 hr/yr (All Year)		
EQT073	TK-002-16, Chemcial Tank	550 gallons		8760 hr/yr (All Year)		
EQT074	TK-153-04, Chemcial Tank	1100 gallons		8760 hr/yr (All Year)		
EQT075	TK-2800, No. 1 Coker Cutting Water Tank	187950 gallons		8760 hr/yr (All Year)		
EQT076	TK-2801, No. 1 Coker Stormwater Tank	840000 gallons		8760 hr/yr (All Year)		
EQT077	TK-2807, Chemcial Tank	1000 gallons		8760 hr/yr (All Year)		
EQT078	TK-CHEMCR1, Chemcial Tank	550 gallons		8760 hr/yr (All Year)		
FUG006	FE-CRCK1, No. 1 Crude/Coker Fugitives			8760 hr/yr (All Year)		

**Subject Item Groups:**

ID	Description	Included Components (from Above)
GRP027	No. 1 Crude/Coker	EQT65 1. No. 1 Crude Atmospheric Heater (F-5)
GRP027	No. 1 Crude/Coker	EQT67 2. No. 1 Crude Atmospheric Heater (F-6)
GRP027	No. 1 Crude/Coker	EQT68 4. No. 1 Crude Vacuum Heater (F-1)
GRP027	No. 1 Crude/Coker	EQT69 26. No. 1 Coker Heater (F-2800)
GRP027	No. 1 Crude/Coker	EQT70 83a. No. 1 Coker Coke Handling/Laoding
GRP027	No. 1 Crude/Coker	EQT71 K-2804, No. 1 Coker Diesel Compressor Engine
GRP027	No. 1 Crude/Coker	EQT72 TK-002-15, Chemcial Tank
GRP027	No. 1 Crude/Coker	EQT73 TK-002-16, Chemcial Tank
GRP027	No. 1 Crude/Coker	EQT74 TK-153-04, Chemcial Tank
GRP027	No. 1 Crude/Coker	EQT75 TK-2800, No. 1 Coker Cutting Water Tank
GRP027	No. 1 Crude/Coker	EQT76 TK-2801, No. 1 Coker Stormwater Tank
GRP027	No. 1 Crude/Coker	EQT77 TK-2807, Chemcial Tank
GRP027	No. 1 Crude/Coker	EQT78 TK-CHEMCR1, Chemcial Tank
GRP027	No. 1 Crude/Coker	FUG6 FE-CRCK1, No. 1 Crude/Coker Fugitives

**Relationships:**

Stack Information:	ID	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (°F)
							TPORD149

**INVENTORIES**

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery

Activity Number: PER19960008

Permit Number: 3018-V0

Air - Title V Regular Permit Initial

## Stack Information:

ID		Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (°F)
EQT065	1. No. 1 Crude Atmospheric Heater (F-5)	25.3	76300	8		132	550
EQT067	2. No. 1 Crude Atmospheric Heater (F-6)	25.9	78100	8		132	550
EQT068	4. No. 1 Crude Vacuum Heater (F-1)	62.7	54600	4		150	555
EQT069	26. No. 1 Coker Heater (F-2800)	22	37300	6		150	670

## Fee Information:

Subj Item Id	Multiplier	Units Of Measure	Fee Desc

## EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery

Activity Number: PER19960008

Permit Number: 3018-V0

Air - Title V Regular Permit Initial

### All phases

Subject Item	PM <sub>10</sub>			SO <sub>2</sub>			NOx			CO			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 065	1.17	1.30	3.510	3.14	6.13	13.00	28.97	34.99	726.00	15.70	35.00	68.80	0.85	0.94	3.70
EQT 067	1.17	1.30	3.510	3.14	6.13	13.00	28.97	34.99	726.00	15.70	35.00	68.80	0.85	0.94	3.70
EQT 068	0.43	0.67	1.90	1.14	3.15	6.90	5.93	12.90	25.90	2.28	7.42	10.00	0.31	0.49	2.30
EQT 069	0.39	0.57	1.70	1.04	2.68	4.80	6.11	11.96	22.80	2.08	6.35	9.10	0.28	0.42	2.20
EQT 070	0.63	0.77	2.77	0.007	0.003	—	—	—	—	0.11	—	0.48	—	—	—
EQT 071	0.54	0.72	2.27	0.54	0.73	1.78	6.50	8.68	17.9	1.66	2.22	2.728	0.63	0.84	2.76
EQT 072	TK-2804	—	—	—	—	—	—	—	—	—	—	—	0.005	—	0.02
EQT 073	TK-002-15	—	—	—	—	—	—	—	—	—	—	—	0.001	—	0.01
EQT 074	TK-153-04	—	—	—	—	—	—	—	—	—	—	—	0.001	—	0.01
EQT 075	TK-2800	—	—	—	—	—	—	—	—	—	—	—	0.53	—	2.30
EQT 076	TK-2801	—	—	—	—	—	—	—	—	—	—	—	0.94	—	4.10
EQT 077	TK-2807	—	—	—	—	—	—	—	—	—	—	—	0.001	—	0.01
EQT 078	TK-CHEMCR1	—	—	—	—	—	—	—	—	—	—	—	0.003	—	0.05
FUG 006	FE-CRCK1	—	—	—	—	—	—	—	—	—	—	—	62.62	—	274.27

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals

### Permit Phase Totals:

PM10: 18.94 tons/yr

SO2: 39.61 tons/yr

NOx: 334.99 tons/yr

CO: 164.46 tons/yr

## EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery

Activity Number: PER19960008

Permit Number: 3018-V0

Air - Title V Regular Permit Initial

### All phases

VOC: 293.39 tons/yr

#### Emission rates Notes:

## EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery

Activity Number: PER19960008

Permit Number: 3018-V0

Air - Title V Regular Permit Initial

### All phases

Subject Item	1,3-Butadiene		2,2,4-Trimethylpropane		Acetonitrile		Ammonia		Benzene		Biphenyl		Carbon disulfide		Cresol	
	Avg lb/hr	Tons/Year	Avg lb/hr	Tons/Year	Avg lb/hr	Tons/Year	Avg lb/hr	Tons/Year	Avg lb/hr	Tons/Year	Avg lb/hr	Tons/Year	Avg lb/hr	Tons/Year	Avg lb/hr	Tons/Year
EQT 070 81a	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
EQT 073 TK-002-16	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
EQT 074 TK-153-04	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
EQT 075 TK-2890	< 0.001	< 0.001	0.001	0.001	< 0.001	< 0.001	< 0.001	< 0.001	0.25	0.10	0.01	0.04	0.01	0.04	0.01	0.004
EQT 076 TK-2891	< 0.001	< 0.001	0.001	0.001	< 0.001	< 0.001	< 0.001	< 0.001	0.25	0.10	0.02	0.09	0.02	0.09	0.01	0.01
FUG 006 FE-0RCK1	0.005	0.002	0.01	0.04	< 0.001	< 0.001	0.33	0.145	0.32	0.142	0.05	0.021	< 0.001	0.005	0.03	0.03

## EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery

Activity Number: PER19960008

Permit Number: 3018-V0

Air - Title V Regular Permit Initial

### All phases

Subject Item	Cresol	Cumene	Ethyl benzene	Hydrogen sulfide	Methanol	Methyl Ether	Methyl Tertiary Butyl Ether	Methyl ethyl keto estone	Methyl isobutyl ketone
	Tons/Year	Avg lb/hr	Tons/Year	Avg lb/hr	Tons/Year	Avg lb/hr	Tons/Year	Avg lb/hr	Tons/Year
EQT 070	0.002	0.0001	0.002	0.0001	0.05	0.022	0.004	< 0.001	0.004
EQT 073	0.002	0.0001	0.002	0.0001	0.05	0.022	0.004	< 0.001	0.004
TK-002-16	0.002	0.0001	0.002	0.0001	0.05	0.022	0.004	< 0.001	0.004
EQT 074	0.002	0.0001	0.002	0.0001	0.05	0.022	0.004	< 0.001	0.004
TK-153-04	0.002	0.0001	0.002	0.0001	0.05	0.022	0.004	< 0.001	0.004
EQT 075	0.002	0.0002	0.001	0.0001	0.04	0.040	0.001	0.001	0.005
TK-2800	0.002	0.0002	0.001	0.0001	0.04	0.040	0.001	0.001	0.005
EQT 076	0.004	0.005	0.02	0.02	0.09	0.016	0.002	0.002	0.01
TK-2801	0.004	0.005	0.02	0.02	0.09	0.016	0.002	0.002	0.01
FUG 006	0.12	0.05	0.23	0.32	1.39	0.53	0.25	0.08	0.04
FE-CRCK1	0.12	0.05	0.23	0.32	1.39	0.53	0.231	0.08	0.02

## EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery

Activity Number: PER19960008

Permit Number: 3018-V0

Air - Title V Regular Permit Initial

### All phases

Subject Item	Naphthalene	Nickel (and compo unds)	Phenol	Phosphorus	Polynuclear Aroma tic Hydrocarbons	Quinoline	Styrene	Sulfuric acid
	Avg lb/hr	Tons/Year	Avg lb/hr	Tons/Year	Avg lb/hr	Tons/Year	Avg lb/hr	Tons/Year
EQT 070	0.02	0.008	< 0.001	< 0.0001	< 0.001	< 0.0001	< 0.001	< 0.0001
EQT 073	0.02	0.008	< 0.001	< 0.0001	< 0.001	< 0.0001	< 0.001	< 0.0001
TK-002-16	0.02	0.008	< 0.001	< 0.0001	< 0.001	< 0.0001	< 0.001	< 0.0001
EQT 074	0.02	0.008	< 0.001	< 0.0001	< 0.001	< 0.0001	< 0.001	< 0.0001
TK-153-04	0.02	0.008	< 0.001	< 0.0001	< 0.001	< 0.0001	< 0.001	< 0.0001
EQT 075	0.02	0.008	< 0.001	< 0.0001	0.005	0.012	0.01	0.003
TK-2800	0.03	0.014	< 0.001	< 0.0001	0.01	0.024	0.01	0.004
EQT 076	0.03	0.014	< 0.001	< 0.0001	0.01	0.024	0.01	0.004
TK-2801	0.03	0.014	< 0.001	< 0.0001	0.01	0.024	0.01	0.004
FUG 006	0.13	0.058	< 0.001	< 0.0001	0.04	0.16	< 0.001	< 0.0001
FE-ORCK1								

## EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery

Activity Number: PER19960008

Permit Number: 3018-V0

Air - Title V Regular Permit Initial

### All phases

Subject Item	Sulfuric acid/Tetrachloroethylene		Toluene		Trichloroethylene		Xylene (mixed iso mers)		Zinc (and compound ds)		n-Hexane	
	Tons/Year	Avg lb/hr	Tons/Year	Avg lb/hr	Tons/Year	Avg lb/hr	Tons/Year	Avg lb/hr	Tons/Year	Avg lb/hr	Tons/Year	Avg lb/hr
EQT 070												
83a												
EQT 073												
TK-002-16												
EQT 074												
TK-153-04												
EQT 075												
TK-2800												
EQT 076												
TK-2801												
FUG 006	< 0.001	0.001	0.99	2.35	< 0.001	0.001	1.28	3.59	< 0.001	0.001	1.30	5.6
FE-CRCK1												

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals

### Permit Parameter Totals:

1,3-Butadiene: 0.03 tons/yr  
 2,2,4-Trimethylpentane: 0.06 tons/yr  
 Acetonitrile: <0.001 tons/yr  
 Ammonia: 3.65 tons/yr  
 Benzene: 1.55 tons/yr  
 Biphenyl: 0.34 tons/yr  
 Carbon disulfide: 0.001 tons/yr  
 Cresol: 0.18 tons/yr  
 Cumene: 0.26 tons/yr  
 Ethyl benzene: 1.52 tons/yr  
 Hydrogen sulfide: 2.53 tons/yr  
 Methanol: 2.20 tons/yr  
 Methyl ethyl ketone: 0.21 tons/yr  
 Methyl isobutyl ketone: 0.002 tons/yr  
 Methyl Tertiary Butyl Ether: 0.04 tons/yr  
 n-Hexane: 5.69 tons/yr  
 Naphthalene: 0.80 tons/yr

## EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AID: 1376 - Chalmette Refining LLC - Chalmette Refinery

Activity Number: PER19960008

Permit Number: 3018-V0

Air - Title V Regular Permit Initial

### All phases

Nickel (and compounds): 0.001 tons/yr  
Phenol: 0.22 tons/yr  
Phosphorus: <0.001 tons/yr  
Polynuclear Aromatic Hydrocarbons: 0.08 tons/yr  
Quinoline: 0.001 tons/yr  
Styrene: 0.08 tons/yr  
Sulfuric acid: 0.01 tons/yr  
Tetrachloroethylene: 0.001 tons/yr  
Toluene: 5.45 tons/yr  
Trichloroethylene: <0.001 tons/yr  
Xylene (mixed isomers): 6.59 tons/yr  
Zinc (and compounds): <0.001 tons/yr

### Emission Rates Notes:

## SPECIFIC REQUIREMENTS

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery  
Activity Number: PER19960008  
Permit Number: 3018-V0  
Air - Title V Regular Permit Initial

### EQT065 1. No. 1 Crude Atmospheric Heater (F-5)

- 1 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1.101.B]  
Which Months: All Year Statistical Basis: None specified
- 2 Total suspended particulate <= 0.6 lb/MMBTU of heat input. [LAC 33:III.1.313.C]
- 3 Sulfur dioxide <= 2000 ppmv at standard conditions. Shall comply with all the applicable requirements of 40 CFR 60, Subpart F. [LAC 33:III.1.503.C]  
Which Months: All Year Statistical Basis: Three-hour average
- 4 Submit notification: Due at least 30 days prior to performance/emissions test to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services, to provide the opportunity to conduct a pretest meeting and observe the emission testing. [LAC 33:III.501.C.6]
- 5 Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. [LAC 33:III.501.C.6]
- 6 Conduct a performance/emissions test: Due within 180 days after initial startup (or restart-up after modification), or within 60 days after achieving normal production rate or end of the shutdown period, whichever is earliest. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources and Method 1.0 - Determination of Carbon Monoxide Emissions from Stationary Sources. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. As required by LAC 33:III.91.3, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits. [LAC 33:III.501.C.6]
- 7 Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm). Subpart J. [40 CFR 60.104(a)(1)]  
Which Months: All Year Statistical Basis: None specified
- 8 Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H2S in fuel gases before being burned in any fuel gas combustion device.  
Subpart J. [40 CFR 60.105(a)(4)]
- 9 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]
- 10 Permittee shall comply with all the applicable recordkeeping and reporting requirements of 40 CFR 60.107. [40 CFR 60.107]

### EQT067 2. No. 1 Crude Atmospheric Heater (F-6)

- 11 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1.101.B]  
Which Months: All Year Statistical Basis: None specified
- 12 Total suspended particulate <= 0.6 lb/MMBTU of heat input. [LAC 33:III.1.313.C]
- 13 Sulfur dioxide <= 2000 ppmv at standard conditions. Shall comply with all the applicable requirements of 40 CFR 60, Subpart F. [LAC 33:III.1.503.C]  
Which Months: All Year Statistical Basis: Three-hour average
- 14 Submit notification: Due at least 30 days prior to performance/emissions test to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services, to provide the opportunity to conduct a pretest meeting and observe the emission testing. [LAC 33:III.501.C.6]
- 15 Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. [LAC 33:III.501.C.6]

## SPECIFIC REQUIREMENTS

AI ID: 11376 - Chalmette Refining LLC - Chalmette Refinery  
Activity Number: PER19960008  
Permit Number: 3018-V0  
Air - Title V Regular Permit Initial

### EQT067 2, No. 1 Crude Atmospheric Heater (F-6)

- 16 Conduct a performance/emissions test: Due within 180 days after initial startup (or restart-up after modification), or within 60 days after achieving normal production rate or end of the shutdown period, whichever is earliest. The stack tests purpose is to demonstrate compliance with the emission limits of this permit. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources and Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. As required by LAC 33:III.91.3, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits. [LAC 33:III.501.C.6]
- 17 Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm). Subpart J. [40 CFR 60.104(a)(1)]
- 18 Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H<sub>2</sub>S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]  
Which Months: All Year Statistical Basis: None specified
- 19 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]
- 20 Permittee shall comply with all the applicable recordkeeping and reporting requirements of 40 CFR 60.107. [40 CFR 60.107]

### EQT068 4, No. 1 Crude Vacuum Heater (F-1)

- 21 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lanceing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]  
Which Months: All Year Statistical Basis: None specified
- 22 Total suspended particulate <= 0.6 lb/MMBTU of heat input. [LAC 33:III.1.31.3.C]  
Which Months: All Year Statistical Basis: None specified
- 23 Sulfur dioxide <= 2000 ppmv at standard conditions. Shall comply with all the applicable requirements of 40 CFR 60. Subpart F. [LAC 33:III.1.503.C]  
Which Months: All Year Statistical Basis: Three-hour average
- 24 Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm). Subpart J. [40 CFR 60.104(a)(1)]  
Which Months: All Year Statistical Basis: None specified
- 25 Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H<sub>2</sub>S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]  
Which Months: All Year Statistical Basis: None specified
- 26 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]
- 27 Permittee shall comply with all the applicable recordkeeping and reporting requirements of 40 CFR 60.107. [40 CFR 60.107]

### EQT069 26, No. 1 Coker Heater (F-2800)

- 28 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lanceing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]  
Which Months: All Year Statistical Basis: None specified
- 29 Total suspended particulate <= 0.6 lb/MMBTU of heat input. [LAC 33:III.1.31.3.C]  
Which Months: All Year Statistical Basis: None specified

## SPECIFIC REQUIREMENTS

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery  
Activity Number: PER19960008  
Permit Number: 3018.V0  
Air - Title V Regular Permit Initial

### EQT069 26, No. 1 Coker Heater (F-2800)

- 30 Sulfur dioxide <= 2000 ppmv at standard conditions. Shall comply with all the applicable requirements of 40 CFR 60, Subpart F. [LAC 33:III.1503.C]  
Which Months: All Year Statistical Basis: Three-hour average  
31 Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm). Subpart J. [40 CFR 60.104(a)(1)]  
Which Months: All Year Statistical Basis: None specified  
32 Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H2S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]  
Which Months: All Year Statistical Basis: None specified  
33 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]  
34 Permittee shall comply with all the applicable recordkeeping and reporting requirements of 40 CFR 60.107. [40 CFR 60.107]

### EQT070 83a, No. 1 Coker Coke Handling/Loading

- 35 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.I.-7. [LAC 33:III.1305]  
36 Permittee shall comply with all the applicable requirements of LAC 33:III.Chapter 51. No additional controls are required. [LAC 33:III.Chapter 51 ]

### EQT071 K-2804, No. 1 Coker Diesel Compressor Engine

- 37 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.101.B]  
Which Months: All Year Statistical Basis: None specified  
38 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]  
Which Months: All Year Statistical Basis: Six-minute average  
39 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 1.5. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

### EQT072 TK-002-15, Chemical Tank

- 40 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]  
41 Emits Class III toxic air pollutant. MACT does not apply. [LAC 33:III.5109.A]

### EQT073 TK-002-16, Chemical Tank

- 42 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]  
43 Emits Class III toxic air pollutant. MACT does not apply. [LAC 33:III.5109.A]

### EQT074 TK-153-04, Chemical Tank

## SPECIFIC REQUIREMENTS

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery

Activity Number: PER19960008

Permit Number: 3018-VG

Air - Title V Regular Permit Initial

### EQT074 TK-153-04, Chemical Tank

- 44 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3.]  
45 Emits Class III toxic air pollutant. MACT does not apply. [LAC 33:III.5109.A]

### EQT075 TK-2800, No. 1 Coker Cutting Water Tank

- 46 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3.]  
47 Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.Chapter 51.  
No additional control is required.

[LAC 33:III.5109.A]

- 48 Group 2: Comply with the recordkeeping and reporting provisions in 40 CFR 61.356 and 61.357 of 40 CFR 61 Subpart FF, unless complying with the wastewater provisions specified in 40 CFR 63.640(o)(2)(ii). Subpart CC. [40 CFR 63.654(a)]

### EQT076 TK-2801, No. 1 Coker Stormwater Tank

- 49 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3.]  
50 Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.Chapter 51.  
No additional control is required. [LAC 33:III.5109.A]  
51 Group 2: Comply with the recordkeeping and reporting provisions in 40 CFR 61.356 and 61.357 of 40 CFR 61 Subpart FF, unless complying with the wastewater provisions specified in 40 CFR 63.640(o)(2)(ii). Subpart CC. [40 CFR 63.654(a)]

### EQT077 TK-2807, Chemical Tank

- 52 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3.]  
53 Emits Class I and Class II TAP greater than the MER (facility wide) but the emissions from this source are negligible. No further control is required for MACT. [LAC 33:III.5109.A]

### EQT078 TK-CHEMCR1, Chemical Tank

- 54 Equip with a submerged fill pipe. [LAC 33:III.2103.A]  
55 Equip with a submerged fill pipe. Compliance with this requirement is considered compliance with LAC 33:III.5109.A. [LAC 33:III.2103.A, LAC 33:III.5109.A]  
56 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.]

### FUG006 FE-CRCK1, No. 1 Crude/Coker Fugitives

- 57 Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment. [LAC 33:III.2111]

## SPECIFIC REQUIREMENTS

AI ID: 11376 - Chalmette Refining LLC - Chalmette Refinery

Activity Number: PER119960008

Permit Number: 3018-V0

Air - Title V Regular Permit Initial

### FUG006 FE-CRCK1, No. 1 Crude/Coker Fugitives

- 58 The number of each type of components required to be monitored for each monitoring period under applicable leak detection and repair programs shall be reported to the LDEQ by inclusion with each periodic monitoring report. Fugitive emission piping components may be added to or removed from the permitted units, without triggering the need to apply for a permit modification, provided: A) Changes in components involve routine maintenance or are undertaken to address safety concerns or involve small piping revisions with no associated emissions increases except from the fugitive emission components themselves; B) The changes do not involve any associated increase in the production rate or capacity, or tie in of new or modified process equipment other than the piping components; C) Actual emissions following the changes will not exceed the emission limits contained in this permit, and D) The components are promptly incorporated into any applicable leak detection and repair program. [LAC 33:III.501.C.6]
- 59 Compliance with all the applicable requirements of NSPS, 40 CFR 60, Subpart GGG is considered compliance with all the applicable requirements of LAC 33:III.21.21. [40 CFR 60.590-593, LAC 33:III.5109.A, LAC 33:III.21.21]
- 60 Comply with the requirements of 40 CFR 60.482-1 to 482-10 as per approval letter dated March 24, 2005 by LDEQ, Subpart GGG. [40 CFR 60.592(a)]
- 61 Comply with the provisions of 40 CFR 60.485 except as provided in 40 CFR 60.593. Subpart GGG. [40 CFR 60.592(d)]
- 62 Comply with the provisions of 40 CFR 60.486 and 60.487. Subpart GGG. [40 CFR 60.592(e)]
- 63 Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III. Chapter 51. [40 CFR 63.645-655, LAC 33:III.5109.A]
- 64 Comply with the requirements of 40 CFR 63.1.61 through 63.1.69, 63.1.71, 63.1.72, 63.1.75, 63.1.76, 63.1.77, 63.1.79, and 63.1.80 except as specified in 40 CFR 63.648(c)(1) through (c)(10) and (e) through (i). Subpart CC. [40 CFR 63.648(c)]
- 65 Maintain all records for a minimum of 5 years. Subpart CC. [40 CFR 63.648(h)]
- 66 Comply with the recordkeeping and reporting provisions in 40 CFR 63.654(d)(1) through (d)(6). Subpart CC. [40 CFR 63.654(d)]

### GRP027 No. 1 Crude/Coker

- 67 Emissions of smoke which pass onto or across a public road and create a traffic hazard by impairment of visibility as defined in LAC 33:III.111 or intensify an existing traffic hazard condition are prohibited. [LAC 33:III.1.103]
- 68 Outdoor burning of waste material or other combustible material is prohibited. [LAC 33:III.1.109.B]
- 69 Emissions of particulate matter which pass onto or across a public road and create a traffic hazard by impairment of visibility or intensify an existing traffic hazard condition are prohibited. [LAC 33:III.1.303.B]
- 70 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1.305.1.-7. [LAC 33:III.1.305]
- 71 Maintain best practical housekeeping and maintenance practices at the highest possible standards to reduce the quantity of organic compounds emissions. Good housekeeping shall include, but not be limited to, the practices listed in LAC 33:III.21.3.A.1-5. [LAC 33:III.21.3.A]
- 72 Control emissions of VOC from steam jet ejectors and mechanical pumps by one of the applicable methods specified in LAC 33:III.21.5.A, B, and F. Determine compliance and keep records as specified in LAC 33:III.21.5.I, J, and K. [LAC 33:III.21.39.A]
- 73 Control emissions of VOC from a hot-well with a contact condenser by covering the hot-well and controlling the vapors by one of the applicable methods specified in LAC 33:III.21.5.I, J, and K. [LAC 33:III.21.39.B]
- 74 Control emissions of volatile organic compounds from petroleum refinery process unit turnarounds by pumping the liquid contents to storage and depressurizing the processing units to five psig (pounds per square inch gauge) or below before venting to the atmosphere. Control the vapors during the depressurization prior to venting to atmosphere by one of the applicable methods specified in LAC 33:III.21.5.A, B, and F. [LAC 33:III.21.4].A]
- 75 Keep records and determine compliance as specified in LAC 33:III.21.5.I, J, and K. [LAC 33:III.21.41.A]

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- 76 Failure to pay the prescribed application fee or annual fee as provided herein, within 90 days after the due date, will constitute a violation of these regulations and shall subject the person to applicable enforcement actions under the Louisiana Environmental Quality Act including, but not limited to, revocation or suspension of the applicable permit, license, registration, or variance. [LAC 33:III.219]
- 77 Discharges of odorous substances at or beyond property lines which cause a perceived odor intensity of six or greater on the specified eight point butanol scale as determined by Method 41 of LAC 33:III.2901.G are prohibited. [LAC 33:III.2901.D]
- 78 If requested to monitor for odor intensity, take and transport samples in a manner which minimizes alteration of the samples either by contamination or loss of material. Evaluate all samples as soon after collection as possible in accordance with the procedures set forth in LAC 33:III.2901.G. [LAC 33:III.2901.F]
- 79 1,3-Butadiene <= 0.03 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum
- 80 2,2,4-Trimethylpentane <= 0.06 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum
- 81 Acetonitrile < 0.001 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum
- 82 Ammonia <= 3.65 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum
- 83 Benzene <= 1.55 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum
- 84 Biphenyl <= 0.34 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum
- 85 Carbon disulfide <= 0.001 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum
- 86 Carbon monoxide <= 1.64.46 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum
- 87 Cresol <= 0.18 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum
- 88 Cumene <= 0.26 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum
- 89 Ethyl benzene <= 1.52 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum
- 90 Hydrogen sulfide <= 2.53 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum
- 91 Methanol <= 2.20 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum
- 92 Methyl ethyl ketone <= 0.21 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum
- 93 Methyl isobutyl ketone <= 0.002 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum
- 94 Methyl Tertiary Butyl Ether <= 0.04 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum

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- 95 Naphthalene <= 0.80 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum
- 96 n-Hexane <= 5.69 tons/yr. [LAC 33:III.501.C.6]
- Which Months: All Year Statistical Basis: Annual maximum
- 97 Nickel (and compounds) <= 0.001 tons/yr. [LAC 33:III.501.C.6]
- Which Months: All Year Statistical Basis: Annual maximum
- 98 Nitrogen oxides <= 334.99 tons/yr. [LAC 33:III.501.C.6]
- Which Months: All Year Statistical Basis: Annual maximum
- 99 Particulate matter (1.0 microns or less) <= 18.94 tons/yr. [LAC 33:III.501.C.6]
- Which Months: All Year Statistical Basis: Annual maximum
- 100 Phenol <= 0.22 tons/yr. [LAC 33:III.501.C.6]
- Which Months: All Year Statistical Basis: Annual maximum
- 101 Phosphorus < 0.001 tons/yr. [LAC 33:III.501.C.6]
- Which Months: All Year Statistical Basis: Annual maximum
- 102 Polynuclear Aromatic Hydrocarbons <= 0.08 tons/yr. [LAC 33:III.501.C.6]
- Which Months: All Year Statistical Basis: Annual maximum
- 103 Quinoline <= 0.001 tons/yr. [LAC 33:III.501.C.6]
- Which Months: All Year Statistical Basis: Annual maximum
- 104 Styrene <= 0.08 tons/yr. [LAC 33:III.501.C.6]
- Which Months: All Year Statistical Basis: Annual maximum
- 105 Sulfur dioxide <= 39.61 tons/yr. [LAC 33:III.501.C.6]
- Which Months: All Year Statistical Basis: Annual maximum
- 106 Sulfuric acid <= 0.01 tons/yr. [LAC 33:III.501.C.6]
- Which Months: All Year Statistical Basis: Annual maximum
- 107 Tetrachloroethylene <= 0.001 tons/yr. [LAC 33:III.501.C.6]
- Which Months: All Year Statistical Basis: Annual maximum
- 108 Toluene <= 5.45 tons/yr. [LAC 33:III.501.C.6]
- Which Months: All Year Statistical Basis: Annual maximum
- 109 Trichloroethylene < 0.001 tons/yr. [LAC 33:III.501.C.6]
- Which Months: All Year Statistical Basis: Annual maximum
- 110 VOC, Total <= 293.39 tons/yr. [LAC 33:III.501.C.6]
- Which Months: All Year Statistical Basis: Annual maximum
- 111 Xylene (mixed isomers) <= 6.59 tons/yr. [LAC 33:III.501.C.6]
- Which Months: All Year Statistical Basis: Annual maximum
- 112 Zinc (and compounds) < 0.001 tons/yr. [LAC 33:III.501.C.6]
- Which Months: All Year Statistical Basis: Annual maximum
- 113 Do not construct or modify any stationary source subject to any standard set forth in LAC 33:III. Chapter 51. Subchapter A without first obtaining written authorization from DEQ in accordance with LAC 33:III. Chapter 51. Subchapter A, after the effective date of the standard. [LAC 33:III.5105.A.1]
- 114 Do not cause a violation of any ambient air standard listed in LAC 33:III. Table 51.2, unless operating in accordance with LAC 33:III.5109. [LAC 33:III.5105.A.2]

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- 115 Do not build, erect, install, or use any article, machine, equipment, process, or method, the use of which conceals an emission that would otherwise constitute a violation of an applicable standard. [LAC 33:III.5105.A.3]
- 116 Do not fail to keep records, notify, report or revise reports as required under LAC 33:III.Chapter 51.Subchapter A. [LAC 33:III.5105.A.4]
- 117 Submit Annual Emissions Report (TEDI): Due annually, by the 1st of July, to the Office of Environmental Assessment, Air Quality Assessment Division, in a format specified by DEQ. Identify the quantity of emissions in the previous calendar year for any toxic air pollutant listed in Table 51.1 or Table 51.3. [LAC 33:III.5107.A.2]
- 118 Include a certification statement with initial and subsequent annual emission reports and revisions to any emission report to attest that the information contained in the emission report is true, accurate, and complete, and signed by a responsible official, as defined in LAC 33:III.502. Include the full name of the responsible official, title, signature, date of signature and phone number of the responsible official. The certification statement shall read: "I certify, under penalty of perjury, that the emissions data provided is accurate to the best of my knowledge, information, and belief, and I understand that submitting false or misleading information will expose me to prosecution under state regulations" [LAC 33:III.5107.A.3]
- 119 Submit notification: Due to the Department of Public Safety 24-hour Louisiana Emergency Hazardous Materials Hotline at (225) 925-6595 immediately, but no later than 1 hour, after any discharge of a toxic air pollutant into the atmosphere which results or threatens to result in an emergency condition (a condition which could reasonably be expected to endanger the health and safety of the public, cause significant adverse impact to the land, water or air environment, or cause severe damage to property). [LAC 33:III.5107.B.1]
- 120 Submit notification: Due to the Office of Environmental Compliance, Emergency and Radiological Services Division, Single Point of Contact (SPOC), except as provided in LAC 33:III.5107.B.6, no later than 24 hours after the beginning of any unauthorized discharge into the atmosphere of a toxic air pollutant as a result of bypassing an emission control device, when the emission control bypass was not the result of an upset, and the quantity of the unauthorized bypass is greater than or equal to the lower of the Minimum Emission Rate (MER) in LAC 33:III.5112, Table 51.1, or a reportable quantity (RQ) in LAC 33:III.3931, or the quantity of the unauthorized bypass is greater than one pound and there is no MER or RQ for the substance in question. Submit notification in the manner provided in LAC 33:III.3923. [LAC 33:III.5107.B.2]
- 121 Submit notification: Due to the Office of Environmental Compliance, Emergency and Radiological Services, SPOC, immediately, but in no case later than 24 hours after any unauthorized discharge of a toxic air pollutant into the atmosphere that does not cause an emergency condition, the rate or quantity of which is in excess of that allowed by permit, compliance schedule, or variance, or for upset events that exceed the reportable quantity in LAC 33:III.3931, except as provided in LAC 33:III.5107.B.6. Submit notification in the manner provided in LAC 33:III.3923. [LAC 33:III.5107.B.3]
- 122 Submit written report: Due within seven calendar days of learning of any such discharge or equipment bypass as referred to in LAC 33:III.5107.B.1 through 3. Submit report to the Office of Environmental Compliance by certified mail. Include the information specified in LAC 33:III.5107.B.4.i through viii. [LAC 33:III.5107.B.4]
- 123 Report all discharges to the atmosphere of a toxic air pollutant from a safety relief device, a line or vessel rupture, a sudden equipment failure, or a bypass of an emission control device, regardless of quantity, in the annual emissions report and where otherwise specified. Include the identity of the source, the date and time of the discharge, and the approximate total loss during the discharge. [LAC 33:III.5107.B.5]
- 124 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. [LAC 33:III.5109.A]
- 125 Achieve compliance with ambient air standards unless it can be demonstrated to the satisfaction of DEQ that compliance with an ambient air standard would be economically infeasible; that emissions could not reasonably be expected to pose a threat to public health or the environment, and that emissions would be controlled to a level that is Maximum Achievable Control Technology. [LAC 33:III.5109.B.3]
- 126 Determine the status of compliance, beyond the property line, with applicable ambient air standards listed in LAC 33:III.5112.Table 51.2. [LAC 33:III.5109.B]
- 127 Develop a standard operating procedure (SOP) within 120 days after achieving or demonstrating compliance with the standards specified in LAC 33:III.Chapter 51. Detail in the SOP all operating procedures or parameters established to ensure that compliance with the applicable standards is maintained and address operating procedures for any monitoring system in place, specifying procedures to ensure compliance with LAC 33:III.5113.C.5. Make a written copy of the SOP available on site or at an alternate approved location for inspection by DEQ. Provide a copy of the SOP within 30 days upon request by the department [LAC 33:III.5109.C]

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- 128 Obtain a Louisiana Air Permit in accordance with LAC 33:III.5111.B and C and in accordance with LAC 33:III.5111.B and C and in accordance with LAC 33:III.5111.B and C before commencement of the construction of any new source. [LAC 33:III.5111.A.1]
- 129 Obtain a permit modification in accordance with LAC 33:III.5111.B and C before commencement of any modification not specified in a compliance plan submitted under LAC 33:III.5109.D, if the modification will result in an increase in emissions of any toxic air pollutant or will create a new point source. [LAC 33:III.5111.A.2.a]
- 130 Do not commence construction or modification of any major source without first obtaining written authorization from DEQ, as specified. [LAC 33:III.5111.A]
- 131 Ensure that all testing done to determine the emission of toxic air pollutants, upon request by the department, is conducted by qualified personnel. [LAC 33:III.5113.B.1]
- 132 Submit test results: Due in writing to the Office of Environmental Assessment, Environmental Technology Division within 45 days after completion of the test. Submit test results signed by the person responsible for the test. [LAC 33:III.5113.B.1]
- 133 Conduct emission tests as set forth in accordance with Test Methods of 40 CFR, parts 60, 61, and 63 or in accordance with alternative test methods approved by DEQ. [LAC 33:III.5113.B.2]
- 134 Provide necessary sampling and testing facilities, exclusive of instruments and sensing devices, as needed to properly determine the emission of toxic air pollutants, upon request of the department. [LAC 33:III.5111.B.3]
- 135 Provide emission testing facilities as specified in LAC 33:III.5113.B.4 a through e. [LAC 33:III.5113.B.4]
- 136 Analyze samples and determine emissions within 30 days after each emission test has been completed. [LAC 33:III.5113.B.5]
- 137 Submit certified letter: Due to the Office of Environmental Assessment, Air Quality Assessment Division, before the close of business on the 45th day following the completion of the emission test. Report the determinations of the emission test. [LAC 33:III.5113.B.5]
- 138 Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ. [LAC 33:III.5113.B.6]
- 139 Submit notification: Due to the Office of Environmental Assessment, Air Quality Assessment Division, at least 30 days before the emission test. Submit notification of emission test to allow DEQ the opportunity to have an observer present during the test. [LAC 33:III.5113.B.7]
- 140 Maintain and operate each monitoring system in a manner consistent with good air pollution control practices for minimizing emissions. Repair or adjust any breakdown or malfunction of the monitoring system as soon as practicable after its occurrence. [LAC 33:III.5113.C.1]
- 141 Conduct performance evaluation of the monitoring system when required at any other time requested by DEQ. [LAC 33:III.5113.C.2]
- 142 Submit performance evaluation report: Due to the Office of Environmental Assessment, Air Quality Assessment Division, within 60 days of the monitoring system performance evaluation. [LAC 33:III.5113.C.2]
- 143 Submit notification in writing: Due to the Office of Environmental Assessment, Environmental Technology Division at least 30 days before a performance evaluation of the monitoring system is to begin. [LAC 33:III.5113.C.2]
- 144 Install a monitoring system on each effluent or on the combined effluent, when monitoring is required and the effluents from a single source, or from two or more sources subject to the same emission standards, are combined before being released to the atmosphere. If two or more sources are not subject to the same emission standards, install a separate monitoring system on each effluent, unless otherwise specified. If the applicable standard is a mass emission standard and the effluent from one source is released to the atmosphere through more than one point, install a monitoring system at each emission point unless DEQ approves the installation of fewer systems. [LAC 33:III.5113.C.3]
- 145 Evaluate the performance of continuous monitoring systems, upon request by DEQ, in accordance with the requirements and procedures contained in the applicable performance specification of 40 CFR Part 60, appendix B. [LAC 33:III.5113.C.5.a]
- 146 Submit report: Due to DEQ within 60 days of the performance evaluation of the CMS, if requested. Furnish DEQ with two or more copies of a written report of the test results within 60 days. [LAC 33:III.5113.C.5.a]
- 147 Install all continuous monitoring systems or monitoring devices to make representative measurements under variable process or operating parameters, if required to install a CMS. [LAC 33:III.5113.C.5.d]

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- 148 Collect and reduce all data as specified in LAC 33:III.51(3.C.5.e.i and ii, if required to install) a CMS. [LAC 33:III.51(3.C.5.e)]
- 149 Submit plan: Due to the Office of Environmental Assessment, Air Quality Assessment Division, within 90 days after DEQ requests either the initial plan or an updated plan, if required by DEQ to install a continuous monitoring system. Submit for approval a plan describing the affected sources and the methods for ensuring compliance with the continuous monitoring system. [LAC 33:III.51(3.C.5)]
- 150 Maintain records of monitoring data, monitoring system calibration checks, and the occurrence and duration of any period during which the monitoring system is malfunctioning or inoperative. Maintain these records at the source, or at an alternative location approved by DEQ, for a minimum of three years and make available, upon request, for inspection by DEQ. [LAC 33:III.51(3.C.7)]
- 151 An individual or company contracted to perform a demolition or renovation activity which disturbs RACM must be recognized by the Licensing Board for Contractors to perform asbestos abatement, and shall meet the requirements of LAC 33:III.51(1.F.2 and F.3 for each demolition or renovation activity). [LAC 33:III.51(1.F.1.f)]
- 152 Activate the preplanned abatement strategy listed in LAC 33:III.561(1, Table 5 when the administrative authority declares an Air Pollution Alert. [LAC 33:III.5609.A.1.b]
- 153 Activate the preplanned strategy listed in LAC 33:III.561(1, Table 6 when the administrative authority declares an Air Pollution Warning. [LAC 33:III.5609.A.2.b]
- 154 Activate the preplanned abatement strategy listed in LAC 33:III.561(1, Table 7 when the administrative authority declares an Air Pollution Emergency. [LAC 33:III.5609.A.3.b]
- 155 Prepare standby plans for the reduction of emissions during periods of Air Pollution Alert, Air Pollution Warning and Air Pollution Emergency. Design standby plans to reduce or eliminate emissions in accordance with the objectives as set forth in LAC 33:III.561(1, Tables 5, 6, and 7. [LAC 33:III.5609.A]
- 156 Submit standby plan for the reduction or elimination of emissions during an Air Pollution Alert, Air Pollution Warning, or Air Pollution Emergency. Due within 30 days after requested by the administrative authority. [LAC 33:III.561(1.A)]
- 157 During an Air Pollution Alert, Air Pollution Warning or Air Pollution Emergency, make the standby plan available on the premises to any person authorized by the department to enforce these regulations. [LAC 33:III.561(1.B)]
- 158 Comply with the provisions in 40 CFR 68, except as specified in LAC 33:III.5901. [LAC 33:III.5901.A]
- 159 Identify hazards that may result from accidental releases of the substances listed in 40 CFR 68.130, Table 59.0 of LAC 33:III.5907, or Table 59.1 of LAC 33:III.5913 using appropriate hazard assessment techniques, design and maintain a safe facility, and minimize the off-site consequences of accidental releases of such substances that do occur. [LAC 33:III.5907]
- 160 Submit registration: Due January 31, 1998, or within 60 days after the source becomes subject to LAC 33:III. Chapter 59, whichever is later. Include the information listed in LAC 33:III.5911.B, and submit to the Department of Environmental Quality, Office of Environmental Compliance, Emergency and Radiological Services Division. [LAC 33:III.5911.A]
- 161 Submit amended registration: Due to the Department of Environmental Quality, Office of Environmental Compliance, Emergency and Radiological Services Division, within 60 days after the information in the submitted registration is no longer accurate. [LAC 33:III.5911.C]
- 162 Install air pollution control facilities whenever practically, economically, and technologically feasible. When facilities have been installed on a property, use them and diligently maintain them in proper working order whenever any emissions are being made which can be controlled by the facilities, even though the ambient air quality standards in affected areas are not exceeded. [LAC 33:III.905]
- 163 Provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities, exclusive of instruments and sensing devices as may be necessary for proper determination of emission limits. [LAC 33:III.913]
- 164 Where, upon written application of the responsible person or persons, the administrative authority finds that by reason of exceptional circumstances strict conformity with any provisions of these regulations would cause undue hardship, would be unreasonable, impractical or not feasible under the circumstances, the administrative authority may permit a variance from these regulations. [LAC 33:III.917.A]
- 165 No variance may permit or authorize the maintenance of a nuisance, or a danger to public health or safety. [LAC 33:III.917.B]

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### GRP027 No. 1 Crude/Coker

- 166 Submit Emission Inventory (EI)/Annual Emissions Statement Due annually, by the 31st of March for the period January 1 to December 31 of the previous year unless otherwise directed. Submit emission inventory data in the format specified by the Office of Environmental Assessment, Air Quality Assessment Division. Include all data applicable to the emissions source(s), as specified in LAC 33:III.919.A-D. [LAC 33:III.919.D]
- 167 Permittee shall comply with all the applicable requirements for the stack height as specified in LAC 33:III.921. [LAC 33:III.921]
- 168 Report the unauthorized discharge of any air pollutant into the atmosphere in accordance with LAC 33:I, Chapter 39, Notification Regulations and Procedures for Unauthorized Discharges. Submit written reports to the department pursuant to LAC 33:I.3925. Submit timely and appropriate follow-up reports detailing methods and procedures to be used to prevent similar atmospheric releases. [LAC 33:III.927]
- 169 No person or group of persons shall allow particulate matter or gases to become airborne in amounts which cause the ambient air quality standards to be exceeded. [LAC 33:III.929.A]
- 170 Until a settlement is reached with EPA and LDEQ on related air quality issues, the permittee shall operate all emission sources in compliance with the interim or permitted emission limitations, monitoring and reporting requirements contained in Appendix A of the Administrative Order on Consent dated May 25, 2005 in lieu of the emission limitations and associated requirements contained in Preventive Significant Deterioration Permit No. PSD-LA-199. Upon completion of a settlement on the related issues with EPA and LDEQ, the permittee shall, within three (3) months after issuance of all of the Part 70 permits for the entire refinery, submit an application to revise and update PSD-LA-199 to incorporate the settlement requirements in their entirety. [40 CFR 52.21, LAC 33:III.509]
- 171 All affected facilities shall comply with all applicable provisions in 40 CFR 60 Subpart A. [40 CFR 60]
- 172 Provide DEQ with written notice of intention to demolish or renovate prior to performing activities to which 40 CFR 61 Subpart M applies. Delivery of the notice by U.S. Postal Service, commercial delivery service, or hand delivery is acceptable. [40 CFR 61.145(b)(1)]
- 173 Do not install or reinstall on a facility component any insulating materials that contain commercial asbestos if the materials are either molded and friable or wet-applied and friable after drying. Subpart M. [40 CFR 61.148]
- 174 Permittee shall comply with all the applicable requirements of the alternative requirements of paragraphs 40 CFR 61.342(c) and (d). The permittee shall manage and treat facility waste with a flow weighted annual average water content of less than 10 percent in accordance with 40 CFR 61.342(c)(1). The benzene quantity for the wastes described in 40 CFR 61.342(e)(2) shall be equal to or less than 6.6 tons per year, as determined in 40 CFR 61.355(k). Subpart F. [40 CFR 61.342(e)]
- 175 Permittee shall comply with all the applicable recordkeeping requirements as stated in 40 CFR 61.356 and all the applicable reporting requirements of 40 CFR 61.357. Subpart F. [40 CFR 61.356(a)(4), 40 CFR 61.357]
- 176 All affected facilities shall comply with all applicable provisions in 40 CFR 61 Subpart A. [40 CFR 61]
- 177 Submit Notification of the intention to conduct a performance test. Due at least 30 days before the performance test is scheduled. Subpart CC. [40 CFR 63.642(d)(2)]
- 178 Keep copies of all applicable reports and records required by 40 CFR 63 Subpart CC for at least 5 years except as otherwise specified in 40 CFR 63 Subpart CC. Maintain all applicable records in such a manner that they can be readily accessed within 24 hours. Subpart CC. [40 CFR 63.642(e)]
- 179 Control emissions of organic HAPs to the level represented by the equation in 40 CFR 63.642(g). Subpart CC. [40 CFR 63.642(g)]
- 180 Submit Notification of Compliance Status: Due within 150 days after the compliance dates specified in 40 CFR 63.640(h). Include the information specified in 40 CFR 63.654(t)(1) through (t)(5). Subpart CC. [40 CFR 63.654(t)]
- 181 Submit Periodic Report: Due no later than 60 days after the end of each 6-month period when any of the compliance exceptions specified in 40 CFR 63.654(g)(1) through (g)(6) occur. Include the information specified in 40 CFR 63.654(g)(1) through (g)(8). Subpart CC. [40 CFR 63.654(g)]
- 182 Submit reports of startup, shutdown, and malfunction required by 40 CFR 63.10(d)(5). Subpart CC. [40 CFR 63.654(h)(1)]
- 183 Submit the information specified in 40 CFR 63.654(h)(6)(i) through (iii), as applicable. Subpart CC. [40 CFR 63.654(h)(6)]
- 184 Retain a record of all reported performance test results required under 40 CFR 63.654(f) and (g)(7) as well as a complete test report, as described in 40 CFR 63.654(f)(2)(ii) for each emission point tested. Subpart CC. [40 CFR 63.654(i)(2)]

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- 185 Retain all information required to be reported under 40 CFR 63.654(a) through (h) for five years. Subpart CC. [40 CFR 63.654(i)(4)]
- 186 All affected facilities shall comply with all applicable provisions in 40 CFR 63 Subpart A. [40 CFR 63]
- 187 Submit Title V permit application for renewal: Due 180 calendar days before permit expiration date. [40 CFR 70.5(a)(1)(iii)]
- 188 Submit Title V monitoring results report: Due semiannually, by March 31st and September 30th for the preceding periods encompassing July through December and January through June, respectively. Submit reports to the Office of Environmental Compliance, Surveillance Division. Certify reports by a responsible company official. Clearly identify all instances of deviations from permitted monitoring requirements. For previously reported deviations, in lieu of attaching the individual deviation reports, clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. [40 CFR 70.6(a)(3)(iii)(A)]
- 189 Submit Title V excess emissions report: Due quarterly, by June 30, September 30, December 31, March 31. Submit reports of all permit deviations to the Office of Environmental Compliance, Surveillance Division. Certify all reports by a responsible official in accordance with 40 CFR 70.5(d). The reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by 40 CFR 70.6(a)(3)(iii)(A) as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [40 CFR 70.6(a)(3)(iii)(B)]
- 190 Submit Title V compliance certification: Due annually, by the 31st of March. Submit to the Office of Environmental Compliance, Surveillance Division. [40 CFR 70.6(c)(5)(iv)]
- 191 Comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B. [40 CFR 82 Subpart F]